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Please replace the abstract with the following:

Systems and methods are described for the manufacture and use of a dual-purpose array for ultrasound imaging. In one configuration, the array is useful as an array for normal imaging. ~~This array can be designed as a 1 x D (1.0, 1.25, 1.5, 1.75, etc.) array.~~ In another configuration, the array is useful as a square annular array. While the principle architecture envisioned is a square ring, a rectangular ring or other approximation to a circular ring can be used ~~when more rows and more complicated interconnects are used.~~ In particular, when two annular arrays of different geometry are enabled, the attenuation compensated volume flow meter (ACVF) uniform method for measuring volume flow rate can be applied at desired time in a cardiac cycle. ~~The systems and methods provide advantages because the array may be used for normal imaging in other applications, and still enable volume flow rate measurements.~~ It allows the estimation of the volume flow rate ~~and its other derivatives~~ as an integral part of daily clinical workflow.